CopperJet 1626 4P

ADSL2/2+ Voice Router

Features and Benefits

- ADSL/ADSL2/ADSL2+
- VoIP (SIP, MGCP)
- VoATM (ELCP, CAS)
- 4 x POTS/PSTN interfaces
- Annex A, Annex B, U-R2 support
- Full featured Router and Firewall
- Upgrade to IPsec VPN

CopperJet 1626-4P

Delivering ADSL/ADSL2 and ADSL2+ enables service providers to offer connections of 24 Mbps downstream with the new CopperJet 1626-4P. Furthermore, ADSL2+ extends the reach of ADSL.

The CopperJet 1626-4P is an ADSL2+ router that supports both Voice over IP (VoIP) and Voice over ATM (VoATM). It has proven interoperability with several Voice Gateways including, TDSoft, Siemens, Zhone, Alcatel, Broadsoft and IPtel. It supports 4 x POTS/PSTN connections on RJ11 connectors that can be used for telephony (analog phones), fax or PaBX services using its integrated residential exchange functions. Active Inbound Call Switching enables the user to have both his traditional POTS Voice line and the VoDSL line connected to a single POTS telephone (only for VoATM).It also provides layer 2 Bridging, layer 3 Routing and integrates a full featured firewall for security. Adding IPsec VPN functionality enables the CopperJet to perform as a full featured VPN router.

Capable of doing ADSL Annex A/B/U-R2, ADSL2+, the new CopperJet 1626-4P from Allied Data Technologies increases the deployment of ADSL in rural areas. With the integrated VoIP/VoATM and VPN functionality, it combines both data and voice services and fulfill the demand for more bandwidth and services.

All technical and physical specifications are subject to changes without prior notification. Copyright 2004 Allied Data Technologies B.V. All rights reserved

CopperJet 1626 4P

Technical Specifications

LAN Specifications

- 4 port Ethernet 10/100Base-TX RJ45
- Automatic MDI/MDIX crossover
- Auto-negotiation and speed-auto-sensing
- Complies with IEEE802.3 and IEEE802.3u
- 802.1q and 802.1p
- Half and full duplex support
- Support up to 4096 MAC addresses
- Automatic learning and aging
- USB 1.0 and 1.1
- Bridging: IEEE 802.1d with spanning tree
- Routing: Default, Static, RIP1, RIP2
- DHCP: Server, Client, Relay

WAN Specifications

- ADSL Annex A, Annex B RJ11
- DTAG / U-R2, ETSI 101 388
- ITU-T G.992.1 (G.dmt)
- ITU-T G.992.3 ADSL2 (G.dmt.bis)
- ITU-T G.992.5 ADSL2+ (G.dmt.bis.plus)
- ANSI T1.413 i2
- G.994.1 (G.hs)

Voice

- 4 x POTS/PSTN FXS (RJ11)
- Active Inbound Call Switching for POTS line
- Lifeline support
- DTMF (tone) dialing
- 600 Ohm impedance
- 1 REN per port
- Internal Ring Source
- Loop Start Signalling
- DTMF Detect and Remove
- ELCP, CAS, CCS signaling
- SIPv2 (RFC 3261), MGCP (RFC 3435), RTP (RFC3550)
- SIP DNS, SIP QoS
- G.711 compression (64Kbps PCM)
- G.726 compression (32Kbps ADPCM)
- G.729ab compression (8Kbps ADPCM)
- G.168 Echo Cancellation
- A-law, u-law encoding
- Fax/Data/Voice detect and support
- Universal CP Tone Detect
- Voice Activity Detect
- Silence Insertion Descriptor (SID)
- Silence Suppression
- Packet Loss Compensation (PLC)
- Caller ID (Transmit/ Receive)
- Caller ID/Call Waiting (Type-1 and 2)
- Flash on/off hook
- 3 Way call

ATM

- ATM AAL2 (voice), AAL5 (data)
- Support UBR, CBR, VBR-nrt, VBR-rt
- VPI Range (0-4095) and VCI range (1-65535)
- Support up to 8 PVCs in bridge mode and 8 PVCs in router mode
- Support OAM F4/F5 loopback
- RFC2684 (RFC1483), multi-protocol over ATM
- RFC2225 (RFC1577), IPoA
- RFC2364, PPP over ATM
- RFC2516, PPP over Ethernet (over ATM)
- ATM Forum profile 7-12, ITU profile 1 & 2
- Search for Service TR-037
- Zero Installation PPP Bridge ZIPB

Management

- SNMP V1, V2, MIB I, MIB II
- Webserver interface
- TELNET
- Dying Gasp

Security

- IPsec VPN termination
- Stateful Inspection Firewall
- Intrusion Detection
- Denial Of Service protection
- De-Militarized Zone
- NAT/NAPT

Certification / Homologation

- CE mark
- IEC 60950

Interoperability

- Interoperable with major DSLAM manufactures.
- Interoperable with Tdsoft, Alcatel, Siemens, Zhone, Cirpack, Broadsoft, Iptel, Indigo, Sylantro voice gateways and VoIP Servers

Visual Indicators

- Ethernet
- ADSL
- USB
- Phone
- Power

Product Package

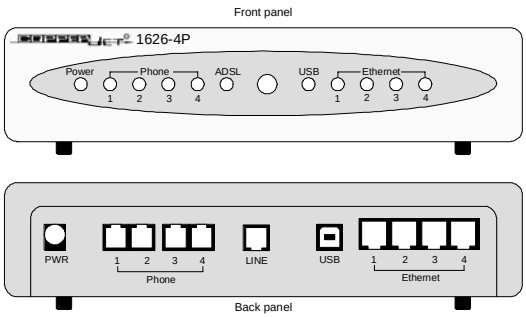
- CopperJet 1626-2/4P
- RJ45 Ethernet Cable
- USB cable
- RJ11 Cable
- Quick Reference Guide
- Installation CD-Rom
- Power Supply

Operating System

- Ethernet: System independent including Windows Linux and MAC
- USB: Windows 98SE, ME, 2000, XP

Environmental

- Power Supply: External 115-230 VAC, 50 - 60 Hz , 13 Watt
- Operating Temp: 0C - 40C
- Storage Temp: -10C - 70C
- Operating Humidity: 5% - 90% non-condensing
- Dimensions (W x H x D): 202mm x 50mm x 176 mm
- Weight: 0.5 kg



All technical and physical specifications are subject to changes without prior notification. Copyright 2004 Allied Data Technologies B.V. All rights reserved